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RAW SEQUENCE LISTING DATE: 01/04/2001
 PATENT APPLICATION: US/09/736,076 TIME: 08:57:12

Input Set : A:\12421015-009.txt
 Output Set: N:\CRF3\01042001\I736076.raw

ENTERED

4 <110> APPLICANT: Ben-Sasson Shmuel A.
 6 <120> TITLE OF INVENTION: SHORT PEPTIDES WHICH SELECTIVELY
 7 MODULATE THE ACTIVITY OF SERINE/THREONINE KINASES
 10 <130> FILE REFERENCE: 1212.1015-009
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/736,076
 C--> 12 <141> CURRENT FILING DATE: 2000-12-13
 12 <150> PRIOR APPLICATION NUMBER: US 08/861,338
 13 <151> PRIOR FILING DATE: 1997-05-21
 15 <160> NUMBER OF SEQ ID NOS: 68
 17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 20
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Unknown
 24 <220> FEATURE:
 25 <223> OTHER INFORMATION: RAF
 27 <400> SEQUENCE: 1
 28 Tyr Glu Leu Met Thr Gly Glu Leu Pro Tyr Ser His Ile Asn Asn Arg
 29 1 5 10 15
 30 Asp Gln Ile Ile
 31 20
 34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 20
 36 <212> TYPE: PRT
 37 <213> ORGANISM: Unknown
 39 <220> FEATURE:
 40 <223> OTHER INFORMATION: CAPE
 42 <400> SEQUENCE: 2
 43 Tyr Glu Met Ala Ala Gly Tyr Pro Pro Phe Phe Ala Asp Gln Pro Ile
 44 1 5 10 15
 45 Glu Ile Tyr Glu
 46 20
 49 <210> SEQ ID NO: 3
 50 <211> LENGTH: 20
 51 <212> TYPE: PRT
 52 <213> ORGANISM: Unknown
 54 <220> FEATURE:
 55 <223> OTHER INFORMATION: PKC
 57 <400> SEQUENCE: 3
 58 Tyr Glu Met Leu Ala Gly Gln Pro Pro Phe Asp Gly Glu Asp Glu Asp
 59 1 5 10 15
 60 Glu Leu Phe Gln
 61 20
 64 <210> SEQ ID NO: 4
 65 <211> LENGTH: 20
 66 <212> TYPE: PRT
 67 <213> ORGANISM: Unknown

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69 <220> FEATURE:
70 <223> OTHER INFORMATION: DARK1.2
72 <400> SEQUENCE: 4
73 Phe Lys Leu Ile Arg Gly His Ser Pro Phe Arg Gln His Lys Thr Lys
74 1 5 10 15
75 Asp Lys His Glu
76 20
79 <210> SEQ ID NO: 5
80 <211> LENGTH: 20
81 <212> TYPE: PRT
82 <213> ORGANISM: Unknown
84 <220> FEATURE:
85 <223> OTHER INFORMATION: CamK
87 <400> SEQUENCE: 5
88 Tyr Ile Leu Leu Val Gly Tyr Pro Pro Phe Trp Asp Glu Asp Gln His
89 1 5 10 15
90 Arg Leu Tyr Gln
91 20
94 <210> SEQ ID NO: 6
95 <211> LENGTH: 20
96 <212> TYPE: PRT
97 <213> ORGANISM: Unknown
99 <220> FEATURE:
100 <223> OTHER INFORMATION: POLJ
102 <400> SEQUENCE: 6
103 Tyr Thr Leu Leu Val Gly Lys Pro Pro Phe Glu Thr Ser Cys Leu Lys
104 1 5 10 15
105 Glu Thr Tyr Leu
106 20
109 <210> SEQ ID NO: 7
110 <211> LENGTH: 20
111 <212> TYPE: PRT
112 <213> ORGANISM: Unknown
114 <220> FEATURE:
115 <223> OTHER INFORMATION: AKI/PKB
117 <400> SEQUENCE: 7
118 Tyr Glu Met Met Cys Gly Arg Leu Pro Phe Tyr Asn Gln Asp His Glu
119 1 5 10 15
120 Arg Leu Phe Glu
121 20
124 <210> SEQ ID NO: 8
125 <211> LENGTH: 20
126 <212> TYPE: PRT
127 <213> ORGANISM: Unknown
129 <220> FEATURE:
130 <223> OTHER INFORMATION: GRK1
132 <400> SEQUENCE: 8
133 Tyr Glu Met Ile Ala Ala Arg Gly Pro Phe Arg Ala Arg Gly Glu Lys
134 1 5 10 15

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135 Val Glu Asn Lys
136 20
139 <210> SEQ ID NO: 9
140 <211> LENGTH: 20
141 <212> TYPE: PRT
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144 <220> FEATURE:
145 <223> OTHER INFORMATION: GRK4
147 <400> SEQUENCE: 9
148 Tyr Glu Met Ile Gln Gly His Ser Pro Phe Lys Lys Tyr Lys Glu Lys
149 1 5 10 15
150 Val Lys Trp Glu
151 20
154 <210> SEQ ID NO: 10
155 <211> LENGTH: 20
156 <212> TYPE: PRT
157 <213> ORGANISM: Unknown
159 <220> FEATURE:
160 <223> OTHER INFORMATION: GRK5
162 <400> SEQUENCE: 10
163 Trp Glu Met Ile Glu Gly Glu Ser Pro Phe Arg Gly Arg Lys Glu Lys
164 1 5 10 15
165 Val Lys Arg Glu
166 20
169 <210> SEQ ID NO: 11
170 <211> LENGTH: 20
171 <212> TYPE: PRT
172 <213> ORGANISM: Unknown
174 <220> FEATURE:
175 <223> OTHER INFORMATION: GRK6
177 <400> SEQUENCE: 11
178 Trp Glu Met Ile Ala Gly Gln Ser Pro Phe Gln Gln Arg Lys Lys Lys
179 1 5 10 15
180 Ile Lys Arg Glu
181 20
184 <210> SEQ ID NO: 12
185 <211> LENGTH: 20
186 <212> TYPE: PRT
187 <213> ORGANISM: Unknown
189 <220> FEATURE:
190 <223> OTHER INFORMATION: GSK3
192 <400> SEQUENCE: 12
193 Ala Glu Leu Leu Leu Gly Gln Pro Ile Phe Pro Gly Asp Ser Gly Val
194 1 5 10 15
195 Asp Gln Leu Val
196 20
199 <210> SEQ ID NO: 13
200 <211> LENGTH: 8
201 <212> TYPE: PRT

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202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <221> NAME/KEY: ACETYLATION
206 <222> LOCATION: (1)...(9)
208 <221> NAME/KEY: AMIDATION
209 <222> LOCATION: (0)...(8)
211 <223> OTHER INFORMATION: HJ38
213 <400> SEQUENCE: 13
214 Val Met Thr Gly Glu Leu Pro Phe
215 1 5
218 <210> SEQ ID NO: 14
219 <211> LENGTH: 8
220 <212> TYPE: PRT
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <221> NAME/KEY: ACETYLATION
225 <222> LOCATION: (1)...(9)
226 <223> OTHER INFORMATION: position 5 is benzylester
228 <221> NAME/KEY: AMIDATION
229 <222> LOCATION: (0)...(8)
231 <223> OTHER INFORMATION: HJ41
233 <400> SEQUENCE: 14
234 Val Met Thr Gly Glu Leu Pro Phe
235 1 5
238 <210> SEQ ID NO: 15
239 <211> LENGTH: 9
240 <212> TYPE: PRT
241 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
244 <221> NAME/KEY: ACETYLATION
245 <222> LOCATION: (1)...(9)
246 <223> OTHER INFORMATION: position 9 is benzylester
248 <221> NAME/KEY: AMIDATION
249 <222> LOCATION: (0)...(8)
251 <223> OTHER INFORMATION: J42
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254 Met Leu Leu Gly Arg Pro Pro Phe Glu
255 1 5
258 <210> SEQ ID NO: 16
259 <211> LENGTH: 8
260 <212> TYPE: PRT
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <221> NAME/KEY: ACETYLATION
265 <222> LOCATION: (1)...(9)
267 <221> NAME/KEY: AMIDATION
268 <222> LOCATION: (0)...(8)
270 <223> OTHER INFORMATION: J43
272 <400> SEQUENCE: 16

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274 1 5
277 <210> SEQ ID NO: 17
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279 <212> TYPE: PRT
280 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
283 <221> NAME/KEY: ACETYLATION
284 <222> LOCATION: (1)...(9)
285 <223> OTHER INFORMATION: position 9 is benzylester
287 <221> NAME/KEY: AMIDATION
288 <222> LOCATION: (0)...(9)
290 <223> OTHER INFORMATION: J43.1
292 <400> SEQUENCE: 17
293 Met Leu Leu Gly Lys Pro Pro Phe Glu
294 1 5
297 <210> SEQ ID NO: 18
298 <211> LENGTH: 9
299 <212> TYPE: PRT
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <221> NAME/KEY: ACETYLATION
304 <222> LOCATION: (1)...(9)
305 <223> OTHER INFORMATION: position 7 is benzylester
307 <221> NAME/KEY: AMIDATION
308 <222> LOCATION: (0)...(9)
310 <223> OTHER INFORMATION: J45
313 <400> SEQUENCE: 18
314 Leu Gly Arg Pro Pro Phe Glu Thr Ser
315 1 5
318 <210> SEQ ID NO: 19
319 <211> LENGTH: 11
320 <212> TYPE: PRT
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <221> NAME/KEY: ACETYLATION
325 <222> LOCATION: (1)...(9)
326 <223> OTHER INFORMATION: position 9 is benzylester
328 <221> NAME/KEY: AMIDATION
329 <222> LOCATION: (0)...(11)
331 <223> OTHER INFORMATION: J16
334 <400> SEQUENCE: 19
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336 1 5 10
339 <210> SEQ ID NO: 20
340 <211> LENGTH: 7
341 <212> TYPE: PRT
342 <213> ORGANISM: Artificial Sequence
344 <220> FEATURE:

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VERIFICATION SUMMARY

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L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date